

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10|009,445C  
Source: IFW16  
Date Processed by STIC: 5-31-05

# ***ENTERED***

# CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/009,445C

CRF Edit Date: 5/31/05  
Edited by: TK

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

☒ Deleted: ☒ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

\_\_\_ Other:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Raw Sequence Listing before editing,  
for reference only



IFW16

## RAW SEQUENCE LISTING

DATE: 05/31/2005

PATENT APPLICATION: US/10/009,445C

TIME: 15:00:57

Input Set : N:\KEISHA\10009445c.txt

Output Set: N:\CRF4\05312005\J009445C.raw

4 <110> APPLICANT: BARCLAY, A. Neil  
 5 BROWN, Marion H.  
 6 GORMAN, Daniel M.  
 7 LANIER, Lewis L.  
 8 WRIGHT, Gavin J.  
 9 CHERWINSKI, Holly  
 10 PHILLIPS, Joseph H.  
 11 HOEK, Robert M.  
 12 SEDGWICK, Jonathan D.  
 14 <120> TITLE OF INVENTION: OX2 RECEPTOR HOMOLOGS (AS AMENDED)  
 16 <130> FILE REFERENCE: 140942000900  
 18 <140> CURRENT APPLICATION NUMBER: US 10/009,445C  
 19 <141> CURRENT FILING DATE: 2001-11-13  
 21 <150> PRIOR APPLICATION NUMBER: PCT US00/12998  
 22 <151> PRIOR FILING DATE: 2000-05-11  
 24 <150> PRIOR APPLICATION NUMBER: GB 9925989.7  
 25 <151> PRIOR FILING DATE: 1999-11-03  
 28 <150> PRIOR APPLICATION NUMBER: GB 9911123.9  
 29 <151> PRIOR FILING DATE: 1999-05-13  
 31 <160> NUMBER OF SEQ ID NOS: 70  
 33 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 36 <210> SEQ ID NO: 1  
 37 <211> LENGTH: 1574  
 38 <212> TYPE: DNA  
 39 <213> ORGANISM: Unknown  
 41 <220> FEATURE:  
 42 <223> OTHER INFORMATION: Description of Unknown Organism: rodent; surmised  
 43 Rattus rattus  
 45 <220> FEATURE:  
 46 <221> NAME/KEY: CDS  
 47 <222> LOCATION: (91)..(1071)  
 49 <220> FEATURE:  
 50 <221> NAME/KEY: mat\_peptide  
 51 <222> LOCATION: (162)..(1071)  
 53 <400> SEQUENCE: 1  
 54 agcggagggga tcctgggtcat gggtcacgcgt gctccoctac ctgtgaagag aaagagcacc 60  
 56 gagtgagccg ctgaaaacca gaaaaccgaa atg ctc tgc ttt tgg aga act tct 114  
 57 Met Leu Cys Phe Trp Arg Thr Ser  
 58 -20  
 60 cac gta gca gta ctc ttg atc tgg ggg gtc ttc gcg gct gag tca agt 162  
 61 His Val Ala Val Leu Leu Ile Trp Gly Val Phe Ala Ala Glu Ser Ser  
 62 -15 -10 -5 -1  
 64 tgt cct gat aag aat caa aca atg cag aac aat tca tca act atg aca 210

(pg. 6-7)

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Input Set : N:\KEISHA\10009445c.txt

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65	Cys	Pro	Asp	Lys	Asn	Gln	Thr	Met	Gln	Asn	Asn	Ser	Ser	Thr	Met	Thr	
66	1				5				10					15			
68	gaa	gtt	aac	act	aca	gtg	ttt	gta	cag	atg	ggt	aaa	aag	gct	ctg	ctc	258
69	Glu	Val	Asn	Thr	Thr	Val	Phe	Val	Gln	Met	Gly	Lys	Lys	Ala	Leu	Leu	
70				20				25						30			
72	tgc	tgc	cct	tct	att	tca	ctg	aca	aaa	gta	ata	tta	ata	aca	tgg	aca	306
73	Cys	Cys	Pro	Ser	Ile	Ser	Leu	Thr	Lys	Val	Ile	Leu	Ile	Thr	Trp	Thr	
74			35					40						45			
76	ata	acc	ctc	aga	gga	cag	cct	tcc	tgc	ata	ata	tcc	tac	aaa	gca	gac	354
77	Ile	Thr	Leu	Arg	Gly	Gln	Pro	Ser	Cys	Ile	Ile	Ser	Tyr	Lys	Ala	Asp	
78		50					55					60					
80	aca	agg	gag	acc	cat	gaa	agc	aac	tgc	tcg	gac	aga	agc	atc	acc	tgg	402
81	Thr	Arg	Glu	Thr	His	Glu	Ser	Asn	Cys	Ser	Asp	Arg	Ser	Ile	Thr	Trp	
82	65					70					75				80		
84	gcc	tcc	aca	cct	gac	ctc	gct	cct	gac	ctt	cag	atc	agt	gca	gtg	gcc	450
85	Ala	Ser	Thr	Pro	Asp	Leu	Ala	Pro	Asp	Leu	Gln	Ile	Ser	Ala	Val	Ala	
86				85					90					95			
88	ctc	cag	cat	gaa	ggg	cgt	tac	tca	tgt	gat	ata	gca	gta	cct	gac	ggg	498
89	Leu	Gln	His	Glu	Gly	Arg	Tyr	Ser	Cys	Asp	Ile	Ala	Val	Pro	Asp	Gly	
90			100					105					110				
92	aat	ttc	caa	aac	atc	tat	gac	ctc	caa	gtg	ctg	gtg	ccc	cct	gaa	gta	546
93	Asn	Phe	Gln	Asn	Ile	Tyr	Asp	Leu	Gln	Val	Leu	Val	Pro	Pro	Glu	Val	
94		115					120					125					
96	acc	cac	ttt	cca	ggg	gaa	aat	aga	act	gca	gtt	tgt	gag	gcg	att	gca	594
97	Thr	His	Phe	Pro	Gly	Glu	Asn	Arg	Thr	Ala	Val	Cys	Glu	Ala	Ile	Ala	
98		130					135					140					
100	ggc	aaa	cct	gct	gcg	cag	atc	tct	tgg	acg	cca	gat	ggg	gat	tgt	gtc	642
101	Gly	Lys	Pro	Ala	Ala	Gln	Ile	Ser	Trp	Thr	Pro	Asp	Gly	Asp	Cys	Val	
102	145				150					155				160			
104	gct	aag	aat	gaa	tca	cac	agc	aat	ggc	acc	gtg	act	gtc	cgg	agc	aca	690
105	Ala	Lys	Asn	Glu	Ser	His	Ser	Asn	Gly	Thr	Val	Thr	Val	Arg	Ser	Thr	
106				165					170					175			
108	tgc	cac	tgg	gag	cag	agc	cac	gtg	tct	gtc	gtg	ttc	tgt	gtt	gtc	tct	738
109	Cys	His	Trp	Glu	Gln	Ser	His	Val	Ser	Val	Val	Phe	Cys	Val	Val	Ser	
110			180					185					190				
112	cac	ttg	aca	act	ggt	aac	cag	tct	ctg	tct	ata	gaa	ctg	ggt	aga	ggg	786
113	His	Leu	Thr	Thr	Gly	Asn	Gln	Ser	Leu	Ser	Ile	Glu	Leu	Gly	Arg	Gly	
114		195					200					205					
116	ggt	gac	caa	tta	tta	gga	tca	tac	att	caa	tac	atc	atc	cca	tct	att	834
117	Gly	Asp	Gln	Leu	Leu	Gly	Ser	Tyr	Ile	Gln	Tyr	Ile	Ile	Pro	Ser	Ile	
118		210					215					220					
120	att	att	ttg	atc	atc	ata	gga	tgc	att	tgt	ctt	ttg	aaa	atc	agt	ggc	882
121	Ile	Ile	Leu	Ile	Ile	Ile	Gly	Cys	Ile	Cys	Leu	Leu	Lys	Ile	Ser	Gly	
122	225				230				235					240			
124	tgc	aga	aaa	tgt	aaa	ttg	cca	aaa	tcg	gga	gct	act	cca	gat	att	gag	930
125	Cys	Arg	Lys	Cys	Lys	Leu	Pro	Lys	Ser	Gly	Ala	Thr	Pro	Asp	Ile	Glu	
126				245					250					255			
128	gag	gat	gaa	atg	cag	ccg	tat	gct	agc	tac	aca	gag	aag	agc	aat	cca	978
129	Glu	Asp	Glu	Met	Gln	Pro	Tyr	Ala	Ser	Tyr	Thr	Glu	Lys	Ser	Asn	Pro	

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Input Set : N:\KEISHA\10009445c.txt

Output Set: N:\CRF4\05312005\J009445C.raw

```

130          260          265          270
132 ctc tat gat act gtg acc acg acg gag gca cac cca gcg tca caa ggc 1026
133 Leu Tyr Asp Thr Val Thr Thr Thr Glu Ala His Pro Ala Ser Gln Gly
134          275          280          285
136 aaa gtc aat ggc aca gac tgt ctt act ttg tca gcc atg gga atc 1071
137 Lys Val Asn Gly Thr Asp Cys Leu Thr Leu Ser Ala Met Gly Ile
138          290          295          300
140 tagaaccaag gaaaagaagt caagagacat cataattact gcttttcttt ctttaaactt 1131
142 ctccaatgga gggaaattag ctcttctgaa gttcttagaa agcacaaatg ttctaattga 1191
144 tttgccttta agttcttcta tcattggaag tttggaatct ttgctgtac ctgttaattc 1251
146 taggaagaac tgatttaatt attacaaaga aagcacattg ttatggtaaa atatcaaatt 1311
148 gtgcaataca atgatgaaaa ctgagtttcc tcaagaaata actgcagaag gaacaatcat 1371
150 tactaaagca ttatcatgtga gttcttccaa aaaagaaaat ccctgtgtat acgacatgat 1431
152 tatggtatgt gtgtgccttt atatgtttgt ttacaaatgt gtatatatgc acacatctga 1491
154 ttatcaagac atctctgtca aaaactcact ggcgttcag atttatgaaa gctaataaag 1551
156 tgagtattgg agatgttttt ata 1574
159 <210> SEQ ID NO: 2
160 <211> LENGTH: 327
161 <212> TYPE: PRT
162 <213> ORGANISM: Unknown
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Unknown Organism: rodent; surmised
166 Rattus rattus
168 <400> SEQUENCE: 2
169 Met Leu Cys Phe Trp Arg Thr Ser His Val Ala Val Leu Leu Ile Trp
170          -20          -15          -10
172 Gly Val Phe Ala Ala Glu Ser Ser Cys Pro Asp Lys Asn Gln Thr Met
173          -5          -1 1 5
175 Gln Asn Asn Ser Ser Thr Met Thr Glu Val Asn Thr Thr Val Phe Val
176          10          15          20
178 Gln Met Gly Lys Lys Ala Leu Leu Cys Cys Pro Ser Ile Ser Leu Thr
179          25          30          35          40
181 Lys Val Ile Leu Ile Thr Trp Thr Ile Thr Leu Arg Gly Gln Pro Ser
182          45          50          55
184 Cys Ile Ile Ser Tyr Lys Ala Asp Thr Arg Glu Thr His Glu Ser Asn
185          60          65          70
187 Cys Ser Asp Arg Ser Ile Thr Trp Ala Ser Thr Pro Asp Leu Ala Pro
188          75          80          85
191 Asp Leu Gln Ile Ser Ala Val Ala Leu Gln His Glu Gly Arg Tyr Ser
192          90          95          100
194 Cys Asp Ile Ala Val Pro Asp Gly Asn Phe Gln Asn Ile Tyr Asp Leu
195          105          110          115          120
197 Gln Val Leu Val Pro Pro Glu Val Thr His Phe Pro Gly Glu Asn Arg
198          125          130          135
200 Thr Ala Val Cys Glu Ala Ile Ala Gly Lys Pro Ala Ala Gln Ile Ser
201          140          145          150
203 Trp Thr Pro Asp Gly Asp Cys Val Ala Lys Asn Glu Ser His Ser Asn
204          155          160          165
206 Gly Thr Val Thr Val Arg Ser Thr Cys His Trp Glu Gln Ser His Val

```

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DATE: 05/31/2005

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TIME: 15:00:57

Input Set : N:\KEISHA\10009445c.txt

Output Set: N:\CRF4\05312005\J009445C.raw

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207      170      175      180
209 Ser Val Val Phe Cys Val Val Ser His Leu Thr Thr Gly Asn Gln Ser
210 185      190      195      200
212 Leu Ser Ile Glu Leu Gly Arg Gly Gly Asp Gln Leu Leu Gly Ser Tyr
213      205      210      215
215 Ile Gln Tyr Ile Ile Pro Ser Ile Ile Ile Leu Ile Ile Ile Gly Cys
216      220      225      230
218 Ile Cys Leu Leu Lys Ile Ser Gly Cys Arg Lys Cys Lys Leu Pro Lys
219      235      240      245
221 Ser Gly Ala Thr Pro Asp Ile Glu Glu Asp Glu Met Gln Pro Tyr Ala
222      250      255      260
224 Ser Tyr Thr Glu Lys Ser Asn Pro Leu Tyr Asp Thr Val Thr Thr Thr
225 265      270      275      280
227 Glu Ala His Pro Ala Ser Gln Gly Lys Val Asn Gly Thr Asp Cys Leu
228      285      290      295
230 Thr Leu Ser Ala Met Gly Ile
231      300
234 <210> SEQ ID NO: 3
235 <211> LENGTH: 1604
236 <212> TYPE: DNA
237 <213> ORGANISM: Unknown
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Unknown Organism:primate; surmised
241 Homo sapiens
243 <220> FEATURE:
244 <221> NAME/KEY: CDS
245 <222> LOCATION: (217)..(1101)
247 <220> FEATURE:
248 <221> NAME/KEY: mat_peptide
249 <222> LOCATION: (295)..(1101)
251 <400> SEQUENCE: 3
252 cagagaaaag cttctgttcg tccaagttac taaccaggct aaaccacata gacgtgaagg 60
254 aaggggctag aaggaagga gtgccccact gttgatgggg taagaggatc ctgtactgag 120
256 aagttgacca gagagggtct caccatgcgc acagttcctt ctgtaccagt gtggaggaaa 180
258 agtactgagt gaagggcaga aaaagagaaa acagaa atg ctc tgc cct tgg aga 234
259 Met Leu Cys Pro Trp Arg
260 -25
262 act gct aac cta ggg cta ctg ttg att ttg act atc ttc tta gtg gcc 282
263 Thr Ala Asn Leu Gly Leu Leu Leu Ile Leu Thr Ile Phe Leu Val Ala
264 -20 -15 -10 -5
266 gaa gcg gag ggt gct gct caa cca aac aac tca tta atg ctg caa act 330
267 Glu Ala Glu Gly Ala Ala Gln Pro Asn Asn Ser Leu Met Leu Gln Thr
268 -1 1 5 10
270 agc aag gag aat cat gct tta gct tca agc agt tta tgt atg gat gaa 378
271 Ser Lys Glu Asn His Ala Leu Ala Ser Ser Ser Leu Cys Met Asp Glu
272 15 20 25
274 aaa cag att aca cag aac tac tcg aaa gta ctc gca gaa gtt aac act 426
275 Lys Gln Ile Thr Gln Asn Tyr Ser Lys Val Leu Ala Glu Val Asn Thr
276 30 35 40

```

## RAW SEQUENCE LISTING

DATE: 05/31/2005

PATENT APPLICATION: US/10/009,445C

TIME: 15:00:57

Input Set : N:\KEISHA\10009445c.txt

Output Set: N:\CRF4\05312005\J009445C.raw

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278 tca tgg cct gta aag atg gct aca aat gct gtg ctt tgt tgc cct cct 474
279 Ser Trp Pro Val Lys Met Ala Thr Asn Ala Val Leu Cys Cys Pro Pro
280 45 50 55 60
282 atc gca tta aga aat ttg atc ata ata aca tgg gaa ata atc ctg aga 522
283 Ile Ala Leu Arg Asn Leu Ile Ile Ile Thr Trp Glu Ile Ile Leu Arg
284 65 70 75
286 ggc cag cct tcc tgc aca aaa gcc tac aag aaa gaa aca aat gag acc 570
287 Gly Gln Pro Ser Cys Thr Lys Ala Tyr Lys Lys Glu Thr Asn Glu Thr
288 80 85 90
290 aag gaa acc aac tgt act gat gag aga ata acc tgg gtc tcc aga cct 618
291 Lys Glu Thr Asn Cys Thr Asp Glu Arg Ile Thr Trp Val Ser Arg Pro
292 95 100 105
294 gat cag aat tcg gac ctt cag att cgt acc gtg gcc atc act cat gac 666
295 Asp Gln Asn Ser Asp Leu Gln Ile Arg Thr Val Ala Ile Thr His Asp
296 110 115 120
298 ggg tat tac aga tgc ata atg gta aca cct gat ggg aat ttc cat cgt 714
299 Gly Tyr Tyr Arg Cys Ile Met Val Thr Pro Asp Gly Asn Phe His Arg
300 125 130 135 140
302 gga tat cac ctc caa gtg tta gtt aca cct gaa gtg acc ctg ttt caa 762
303 Gly Tyr His Leu Gln Val Leu Val Thr Pro Glu Val Thr Leu Phe Gln
304 145 150 155
306 aac agg aat aga act gca gta tgc aag gca gtt gca ggg aag cca gct 810
307 Asn Arg Asn Arg Thr Ala Val Cys Lys Ala Val Ala Gly Lys Pro Ala
308 160 165 170
310 gcg cat atc tcc tgg atc cca gag ggc gat tgt gcc act aag caa gaa 858
311 Ala His Ile Ser Trp Ile Pro Glu Gly Asp Cys Ala Thr Lys Gln Glu
312 175 180 185
314 tac tgg agc aat ggc aca gtg act gtt aag agt aca tgc cac tgg gag 906
315 Tyr Trp Ser Asn Gly Thr Val Thr Val Lys Ser Thr Cys His Trp Glu
316 190 195 200
318 gtc cac aat gtg tct acc gtg acc tgc cac gtc tcc cat ttg act ggc 954
319 Val His Asn Val Ser Thr Val Thr Cys His Val Ser His Leu Thr Gly
320 205 210 215 220
322 aac aag agt ctg tac ata gag cta ctt cct gtt cca ggt gcc aaa aaa 1002
323 Asn Lys Ser Leu Tyr Ile Glu Leu Leu Pro Val Pro Gly Ala Lys Lys
324 225 230 235
326 atc agc aaa att ata tat tcc ata tat cat cct tac tat tat tta 1050
327 Ile Ser Lys Ile Ile Tyr Ser Ile Tyr His Pro Tyr Tyr Tyr Tyr Leu
328 240 245 250
330 gac cat cgt ggg att cat ttg gtt gtt gaa agt caa tgg ctg cag aaa 1098
331 Asp His Arg Gly Ile His Leu Val Val Glu Ser Gln Trp Leu Gln Lys
332 255 260 265
334 ata taaattgaat aaaacagaat ctactccagt tggtgaggag gatgaaatgc 1151
335 Ile
337 agccctatgc cagctacaca gagaagaaca atcctctcta tgatactaca aacaaggtga 1211
339 aggcattctga ggcattacaa agtgaagttg acacagacct ccatacttta taagttggtg 1271
341 gactctagta ccaagaaaca acaacaaacg agatacatta taattactgt ctgattttct 1331
343 tacagttcta gaatgaagac ttatattgaa attaggtttt ccaaggttct tagaagacat 1391
345 tttaatggat tctcattcat acccttgat aattggaatt tttgattctt agctgctacc 1451

```



RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/009,445C

DATE: 05/31/2005  
TIME: 15:00:58

Input Set : N:\KEISHA\10009445c.txt  
Output Set: N:\CRF4\05312005\J009445C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; N Pos. 6,18,21,24,30,33,36,39,42,51,54,60,63,69,72,78,93,108,111  
Seq#:13; N Pos. 114,120,126,132,135,138,144,153,162,165,168,177,180,186,189  
Seq#:13; N Pos. 192,198,204,210,216,222,225,228,231,237,240,252,261,267,270  
Seq#:13; N Pos. 276,285,294,300,303,309,315,318,321,324,330,333,336,342,351  
Seq#:13; N Pos. 354,357,360,363,375,378,384,396,399,402,408,432,438,441,444  
Seq#:13; N Pos. 447,450,456,459,468,471,480,483,486,489,498,504,507,513,516  
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Seq#:13; N Pos. 948,951,960,963,966,969,972,978  
Seq#:14; N Pos. 6,12,18,21,24,30,33,36,39,42,48,51,60,63,66,72,78,81,84,90  
Seq#:14; N Pos. 99,102,108,114,117,132,135,138,141,144,147,150,174,186,192  
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Seq#:14; N Pos. 630,633,651,657,660,663,666,669,675,678,693,702,705,708,711  
Seq#:14; N Pos. 714,723,726,732,735,738,747,750,762,765,768,771,774,777,780  
Seq#:14; N Pos. 792,807,819,834,843,846,855,858,861,867,876  
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Seq#:16; N Pos. 6,9,21,33,36,45,51,60,66,69,72,87,90,93,102,105,111,114,117  
Seq#:16; N Pos. 123,135,150,153,156,162,165,171,177,192,201,210,219,222,228  
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Seq#:16; N Pos. 396,399,408,411,414,423,426,429,432,438,441,444,453,462,468  
Seq#:16; N Pos. 471,477,480,483,501,507,510,513,516,519,525,528,534,543,552  
Seq#:16; N Pos. 555,558,561,570,573,579,582,585,594,597,600,603,609,615,618  
Seq#:16; N Pos. 621,624,627,630,633,636,639,642,645,648,651,654,663,669,675  
Seq#:16; N Pos. 678,681,687,690,696,699,702,705,708,714,726,738,741,747,750  
Seq#:17; N Pos. 3,6,12,15,27,36,42,51,60,66,69,72,81,87,90,93,96,108,114

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/009,445C

DATE: 05/31/2005  
TIME: 15:00:58

Input Set : N:\KEISHA\10009445c.txt  
Output Set: N:\CRF4\05312005\J009445C.raw

Seq#:17; N Pos. 123,126,129,132,135,147,156,168,171,174,180,195,204,210,213  
Seq#:17; N Pos. 216,219,222,228,231,240,243,252,255,258,261,270,276,279,285  
Seq#:17; N Pos. 288,291,300,306,309,315,324,327,333,339,345,351,354,357,360  
Seq#:17; N Pos. 363,366,369,372,396,399,402,405,408,417,420,426,429,432,441  
Seq#:17; N Pos. 444,447,456,459,462,465,468,471,474,477,480,483,486,489,492  
Seq#:17; N Pos. 495,501,507,516,519,522,525,534,537,543,546,552,567,573,576  
Seq#:17; N Pos. 579,582

## VERIFICATION SUMMARY

DATE: 05/31/2005

PATENT APPLICATION: US/10/009,445C

TIME: 15:00:58

Input Set : N:\KEISHA\10009445c.txt

Output Set: N:\CRF4\05312005\J009445C.raw

L:1087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
M:341 Repeated in SeqNo=13  
L:1137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
M:341 Repeated in SeqNo=14  
L:1183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
M:341 Repeated in SeqNo=15  
L:1233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
M:341 Repeated in SeqNo=16  
L:1275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
M:341 Repeated in SeqNo=17  
L:1311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
M:341 Repeated in SeqNo=18  
L:1540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
M:341 Repeated in SeqNo=21  
L:1742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
M:341 Repeated in SeqNo=24



IFW16

## RAW SEQUENCE LISTING

DATE: 05/25/2005

PATENT APPLICATION: US/10/009,445C

TIME: 13:59:12

Input Set : E:\14094-20009.00 - corrected substitute seq list.txt

Output Set: N:\CRF4\05252005\J009445C.raw

4 <110> APPLICANT: BARCLAY, A. Neil  
 5 BROWN, Marion H.  
 6 GORMAN, Daniel M.  
 7 LANIER, Lewis L.  
 8 WRIGHT, Gavin J.  
 9 CHERWINSKI, Holly  
 10 PHILLIPS, Joseph H.  
 11 HOEK, Robert M.  
 12 SEDGWICK, Jonathan D.  
 14 <120> TITLE OF INVENTION: OX2 RECEPTOR HOMOLOGS (AS AMENDED)  
 16 <130> FILE REFERENCE: 140942000900  
 18 <140> CURRENT APPLICATION NUMBER: US 10/009,445C  
 19 <141> CURRENT FILING DATE: 2001-11-13  
 21 <150> PRIOR APPLICATION NUMBER: PCT US00/12998  
 22 <151> PRIOR FILING DATE: 2000-05-11  
 24 <150> PRIOR APPLICATION NUMBER: GB 9925989.7  
 25 <151> PRIOR FILING DATE: 1999-11-03  
 28 <150> PRIOR APPLICATION NUMBER: GB 9911123.9  
 29 <151> PRIOR FILING DATE: 1999-05-13  
 31 <160> NUMBER OF SEQ ID NOS: 70  
 33 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply  
Corrected Diskette Needed

(pg. 1)

## ERRORED SEQUENCES

2440 <210> SEQ ID NO: 70  
 2442 <211> LENGTH: 25  
 2443 <212> TYPE: PRT  
 2444 <213> ORGANISM: Mus musculus  
 2446 <400> SEQUENCE: 70  
 2447 Lys Met Ala Leu Leu Val Ile Ile Leu Leu Asn Val Gly Phe Ala Phe  
 2448 1 5 10 15  
 2449 Phe Gln Lys Arg Asn Phe Ala Arg Thr  
 2450 20 25

E--> 2452 38  
 E--> 2455 29

deleted

## VERIFICATION SUMMARY

DATE: 05/25/2005

PATENT APPLICATION: US/10/009,445C

TIME: 13:59:13

Input Set : E:\14094-20009.00 - corrected substitute seq list.txt

Output Set: N:\CRF4\05252005\J009445C.raw

L:1087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
M:341 Repeated in SeqNo=13  
L:1137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
M:341 Repeated in SeqNo=14  
L:1183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
M:341 Repeated in SeqNo=15  
L:1233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
M:341 Repeated in SeqNo=16  
L:1275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
M:341 Repeated in SeqNo=17  
L:1311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
M:341 Repeated in SeqNo=18  
L:1540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
M:341 Repeated in SeqNo=21  
L:1742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
M:341 Repeated in SeqNo=24  
L:2452 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:70 ✓  
M:332 Repeated in SeqNo=70